

Title (en)
MULTILAYER CAPACITOR

Title (de)
MEHRSCHICHTIGER KONDENSATOR

Title (fr)
CONDENSATEUR MULTICOUCHE

Publication
EP 1953777 A4 20140625 (EN)

Application
EP 06822764 A 20061101

Priority
• JP 2006321835 W 20061101
• JP 2005336537 A 20051122

Abstract (en)
[origin: EP1953777A1] A multilayer capacitor in which the width of a frequency band in which low impedance can be obtained is increased while low ESL and high ESR are achieved. In a capacitor body (8), first capacitor portions (11) and a second capacitor portion (12) are arrayed in the direction of lamination. While a resonant frequency of the first capacitor portions (11) is set to be higher than a resonant frequency of the second capacitor portion (12) so that the first capacitor portions (11) contribute to low impedance, an ESR per layer of the second capacitor portion (12) is set to be higher than an ESR per layer of the first capacitor portions (11) so that the second capacitor portion (12) contributes to high ESR. Further, a combined ESR of the first capacitor portions (11) is set to be equal to or substantially equal to a combined ESR of the second capacitor portion (12).

IPC 8 full level
H01G 4/30 (2006.01); **H01G 4/12** (2006.01); **H01G 4/40** (2006.01)

CPC (source: EP KR US)
H01G 4/12 (2013.01 - KR); **H01G 4/30** (2013.01 - EP KR US); **H01G 4/40** (2013.01 - EP US)

Citation (search report)
• [Y] JP 2000223348 A 20000811 - TOKIN CORP
• [Y] JP 2000252164 A 20000914 - KYOCERA CORP
• [E] EP 1830372 A1 20070905 - MURATA MANUFACTURING CO [JP]
• See references of WO 2007060818A1

Cited by
US2012188681A1; US8659872B2; US8315033B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1953777 A1 20080806; EP 1953777 A4 20140625; CN 101310347 A 20081119; CN 101310347 B 20110406; JP 2007142296 A 20070607; JP 4049182 B2 20080220; KR 100976347 B1 20100816; KR 20080064979 A 20080710; TW 200721214 A 20070601; TW I322440 B 20100321; US 2008204968 A1 20080828; US 7466535 B2 20081216; WO 2007060818 A1 20070531

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